

Construction Memo: 07-05

Memo To: Chief District Engineers
TEMB's for Construction
District Construction Engineers
Resident Engineers

From: Dexter Newman, P.E., Director

Date: May 2, 2005

Subject: Estimated quantities used for bid items on contract proposals

Beginning with the May letting, all Contract Proposals will include a bid item to cover the various types of erosion control item that might be needed on the project. While all of the items might not be used on each project, it is the intent of the Design Engineer to provide the Resident Engineer and the Contractor flexibility in choosing erosion control devices and/or methods to create the BMP. The Supplemental Specifications are being revised to reflect these changes.

For your information the estimated quantities of the bid items will be based on the following guidelines:

Unless the Design Engineer has knowledge of factors which indicate other values should be used, the estimated quantities should be in the range of the following:

Temporary mulch---Sq. yds. To cover the entire disturbed area once.

- 1) Silt Trap Type A --- One per acre disturbed
- 2) Silt Trap Type B --- One per acre disturbed
- 3) Silt Trap Type C --- One per acre disturbed
- 4) Silt Basin ----- Sufficient cubic yards for site specific solutions if appropriate
- 5) Silt Fence ----- Linear feet equal to length of project
- 6) Temporary Ditches --- Linear feet equal to the length of project
- 7) Erosion Control Blanket --- Sq. yds. to line permanent ditches plus areas recommended by the Project Team.
- 8) Permanent Seed and Mulch --- Sq. yds. to cover entire disturbed area minus areas which are permanently stabilized, i.e. pavement etc.
- 9) Sod---Sufficient square yards for site specific solutions if appropriate.
- 10) Seed and Protect--- Sq. yds. to cover the entire disturbed area
- 11) Top Dressing --- Tons of 20-10-10 fertilizer to cover the entire seeded and protected area at the rate of 11.5 lbs. per 1000 sq. ft.

DN/mf

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